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(54) REMOTELY ACCESSED VIRTUAL RECORDING ROOM

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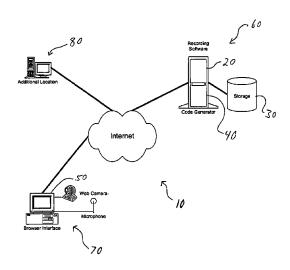
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(57) ABSTRACT

An audio/video stream recording, storage, and delivery system 10 utilizes an Internet-based browser connection. The system 10 includes recording software 20, storage memory 30, a code generator 40, and a user interface 50. Preferably, the recording software 20 is located on the host back end 60 where it processes and records audio and video material that originates from the user front end 70 and is streamed to the host back end. The storage memory 30, which is also located on the host back end 60, stores the recorded audio and video material. The user interface 50 to the system provides a user located at the user front end 70 with remote access to a virtual recording room. The user interface 50 further enables the user to record audio and video material streamed from the user front end 70 by activating the recording software 20 located on the host back end 60. This is accomplished without requiring recording functionality on the user front end 70. The code generator 30 produces code associated with the recorded audio and video material. This code can be easily copied and pasted to an additional location 80, such as an auction website. Activating the code pasted at the additional location 80 provides access to the recorded audio and video material from the additional location while allowing the recorded audio and video material to remain stored at the host back end 60.

30 Claims, 4 Drawing Sheets



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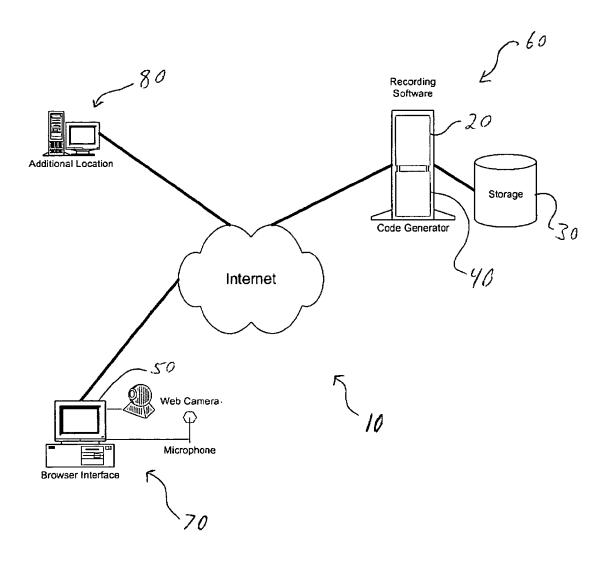
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Fig. 1



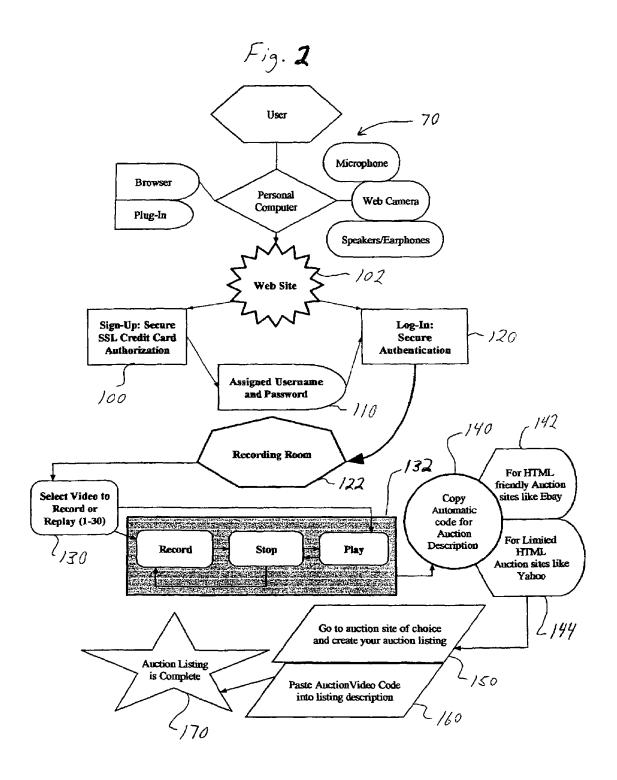


Fig. 3

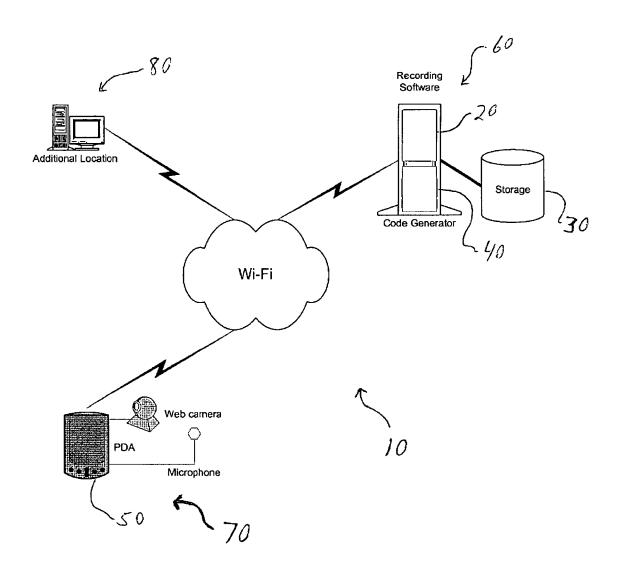
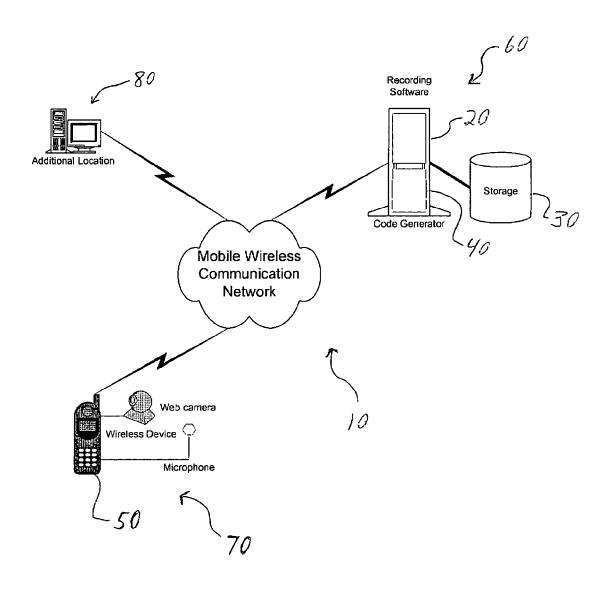


Fig. 4



REMOTELY ACCESSED VIRTUAL RECORDING ROOM

CROSS REFERENCE

This application is a divisional of a pending application Ser. No. 10/808,894, filed Mar. 24, 2004.

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FIELD OF THE INVENTION

This invention relates generally to a remotely accessed virtual recording room, and more particularly to an audio/video stream recording, storage, and delivery system and method.

BACKGROUND OF THE INVENTION

With the continual increase of online transactions there has been an increasing need to improve the capabilities of 30 online business related communication. One area where this is particularly true is in competitive sale exchanges, such as online auctions. The greater a seller's ability to showcase products, the more successful their online auctions sales are bound to become. With the number of online auctions 35 growing daily, sellers are continuously looking for ways to improve the success of these auctions. Sellers are continuously looking for techniques or technology that will enable them to better explain what the products are that they are selling to potential buyers, as well as why those potential buyers should want the seller's products. Sellers also want to be able to effectively demonstrate how their products work. Additionally, sellers sometimes need to be able to demonstrate the authenticity of their products. Accordingly, 45 people are continuously looking for ways to enhance their product listings and sales volume.

Unfortunately, new systems and methods for increasing the capabilities of online business-related communications and transactions often result in increased intellectual complexity and/or increased computer system requirements. This tendency is undesirable because another main avenue for increasing the productively of online business-related communications and transactions is to increase the number of people who are participating in these online business-related transactions. Accordingly, it would be highly valuable if any new systems and methods for increasing the capabilities of online business-related communications and transactions also could be simple enough to help attract new users to the online business market and also not have 60 extensive computer system requirements.

Accordingly, there has been a long existing need for a system that improves the level of communication possible with respect to online business-related transactions. Further, there is a continuing need for an improved system and/or 65 method that is simple, efficient, and does not have extensive computer system requirements. Accordingly, those skilled in

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the art have long recognized the need for a system and method that addresses these and other issues.

SUMMARY OF THE INVENTION

Briefly, and in general terms, a preferred embodiment of the claimed invention resolves the above and other issues by providing an audio/video stream recording, storage, and delivery system. A preferred embodiment provides an Internet-based recording system that performs all audio and video stream recording over an Internet browser connection established between a user front end and a host back end. A host is this environment is generally defined as a company that is utilizing an audio/video stream recording, storage, and delivery system of the claimed invention. In one preferred embodiment, the system includes recording software, storage memory, a user interface, and a code generator.

Preferably, the recording software, which is located on the host back end, processes and records audio and video material that originates from the user front end and is streamed to the host back end. The storage memory, which is located on the host back end, then stores the recorded audio and video material. In a preferred embodiment, the user interface to the audio/video stream recording, storage, and delivery system provides a user at the user front end with remote access to a virtual recording room. The user interface further enables the user to record audio and video material streamed from the user front end by activating the recording software residing on the host back end. Advantageously, this is accomplished without requiring recording functionality on the user front end.

Preferably, the code generator produces code associated with the recorded audio and video material. The user interface is configured to facilitate easily copying and pasting the code to an additional location, such as an auction website. The code facilitates accessing the recorded audio and video material stored at the host back end from the additional location at which the code has been pasted. In this manner, activating the pasted code at the additional location provides access to the recorded audio and video material from the additional location while allowing the recorded audio and video material to remain stored at the host back end.

Additionally, another preferred embodiment of the claimed invention is directed towards an Internet-based recording method that performs all audio and video stream recording over an Internet browser connection established between a user front end and a host back end. Preferably, the components required at the user front end include only a microphone, a camera, and access to the Internet browser. In one preferred embodiment, the method includes: (1) recording audio and video material over the Internet browser connection, wherein audio and video material originates on the user front end and is recorded on the host back end without requiring recording functionality on the user front end; (2) storing the recorded audio and video material on the host back end; and (3) providing access to the recorded audio and video material.

In accordance with one aspect of the preferred embodiment, the step of providing access to the recorded audio and video material includes enabling the recorded audio and video material on the host back end to be reviewed at the user front end. In accordance with another aspect of the preferred embodiment, the step of providing access to the recorded audio and video material includes enabling recorded audio and video material on the host back end to be re-recorded from the user front end. In accordance with still another aspect of the preferred embodiment, the step of

providing access to the recorded audio and video material includes linking the recorded audio and video material stored at the host back end to a pointer that is located in at least one additional location, in response to input from the user front end. Accordingly, activating the pointer then 5 provides access to the recorded audio and video material stored at the host back end. In one preferred embodiment, the pointer includes a hyperlink.

In accordance with another aspect of the preferred embodiment, the step of recording and storing the audio and 10 video material further includes producing hypertext markup language code that is associated with the recorded and stored audio and video material. However, in other preferred embodiments of the invention, other coding languages (such as DHTML and the like) are utilized. This code facilitates 15 accessing the recorded and stored audio and video material. In accordance with yet another aspect of the preferred embodiment, the step of providing access to the recorded audio and video material includes: enabling access to the recorded audio and video material stored at the host back 20 end from an additional location by copying the hypertext markup language code produced at the host back end and pasting the hypertext markup language code to the additional location. In one preferred embodiment, the additional location is an auction website.

In accordance with another aspect of the preferred embodiment, the step of providing access to the recorded audio and video material includes enabling recorded audio and video material on the host back end to be edited from the user front end. Preferably, recorded audio and video material 30 includes a recorded audio portion and a recorded video portion. In one preferred embodiment, enabling recorded audio and video material on the host back end to be edited from the user front end includes, in response to input from the user front end, enabling audio material to be re-dubbed 35 over the recorded audio portion of the recorded audio material while retaining the recorded video portion of the originally recorded audio and video material.

In accordance with another aspect of the preferred embodiment, the step of providing access to the recorded 40 audio and video material includes, in response to input from the user front end, copying (or downloading) the recorded audio and video material stored at the host back end to at least one additional location. In accordance with still another aspect of the preferred embodiment, the step of providing 45 access to the recorded audio and video material includes enabling additional audio material, video material, or audio and visual material to be attached to the recorded audio and video material stored on the host back end. In such a preferred embodiment, the additional audio material, video 50 material, or audio and visual material originates from the user front end.

Another preferred embodiment of the claimed invention is also directed towards an Internet-based recording method that performs all audio and video recording functions over 55 an Internet browser connection established between a user front end and a host back end. In this additional preferred embodiment, the method includes: (1) recording audio and video material over the Internet browser connection, wherein audio and video material originates on the user front end and is recorded on the host back end without requiring recording functionality on the user front end; (2) storing the recorded audio and video material on the host back end; (3) generating code associated with the recorded and stored audio and video material to facilitate accessing the recorded and stored audio and video material; and (4) enabling the generated code to be copied and pasted to an additional

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location, wherein activating the generated code provides access to the recorded audio and video material from the additional location. In one preferred embodiment, the generated code is hypertext markup language that is associated with, and linked to, the recorded and stored audio and video material. In this manner, the associated code facilitates access to the recorded and stored audio and video material from the additional location.

Yet another preferred embodiment of the claimed invention is directed towards a similar Internet-based recording method that performs all audio recording functions over an Internet browser connection established between a user front end and a host back end. In a preferred embodiment, the method includes: (1) uploading photographic still material to the host back end from the user front end; (2) recording audio material, over the Internet browser connection, to link the audio material with the photographic still material, wherein audio material originates from the user front end and is recorded on the host back end without requiring recording functionality on the user front end; (3) storing the recorded audio material and the linked photographic still material on the host back end; (4) generating code associated with the recorded audio material and the linked photographic still material to facilitate accessing the recorded audio material and the linked photographic still material; and (5) enabling the generated code to be copied and pasted to an additional location, wherein activating the generated code provides access to the recorded audio material and the linked photographic still material from the additional loca-

Still another preferred embodiment of the claimed invention is directed towards a Wi-Fi (Wireless Fidelity, i.e., generally referring to any type of IEEE 802.11 network) recording method that performs at least part of the audio and video recording functions over a Wi-Fi connection established between a user front end and a host back end. In such a preferred embodiment, the method includes recording audio and video material over a Wi-Fi connection using a personal digital assistant. The remainder of the Wi-Fi recording method is generally performed in a similar fashion to the Internet-based recording method described above.

Finally, another preferred embodiment of the claimed invention is directed towards a wireless mobile communications-based recording method that performs all (or at least part) of the audio and video recording functions over a wireless mobile connection established between a user front end and a host back end. In such a preferred embodiment, the method includes recording audio and video material over a wireless mobile connection. The remainder of the wireless mobile communications-based recording method is generally performed in a similar fashion to the Internet-based recording method described above.

Other features and advantages of the claimed invention of the present application will become apparent from the following detailed description, taken in conjunction with the achosting drawings, which illustrate by way of example, the features of the claimed invention.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates an Internet based audio/video stream recording, storage, and delivery system that includes recording software, storage memory, a code generator, and a user interface, constructed in accordance with the claimed invention of the present application;

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FIG. 2 illustrates an audio/video stream recording, storage, and delivery method, constructed in accordance with the claimed invention of the present application;

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FIG. 3 illustrates a Wi-Fi based audio/video stream recording, storage, and delivery system that includes recording software, storage memory, a code generator, and a user interface, constructed in accordance with the claimed invention of the present application; and

FIG. 4 illustrates a mobile wireless communication based audio/video stream recording, storage, and delivery system ¹⁰ that includes recording software, storage memory, a code generator, and a user interface, constructed in accordance with the claimed invention of the present application.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

A preferred embodiment of the remotely accessed virtual recording room, constructed in accordance with the claimed invention, provides an audio/video stream recording, stor- 20 age, and delivery system and method. A preferred embodiment of the claimed invention provides an Internet-based recording system that performs audio and video stream recording over an Internet browser connection established between a user front end and a host back end, without 25 requiring any recording functionality at the user front end. Referring now to the drawings, wherein like reference numerals denote like or corresponding parts throughout the drawings, and more particularly to FIGS. 1-2, there is shown an audio/video stream recording, storage, and delivery sys-30 tem. Specifically, FIGS. 1-2 show a preferred embodiment of an audio/video stream recording, storage, and delivery system 10 that utilizes an Internet-based browser connection. In one preferred embodiment, the system 10 includes recording software 20, storage memory 30, a code generator 35 40, and a user interface 50. Advantageously, users of a preferred audio/video stream recording, storage, and delivery system 10 do not require any specific expertise, special software, local server space, or special equipment. In one preferred embodiment, the web-based audio/video stream 40 recording, storage, and delivery system 10 is utilized in conjunction with online auctions, such as those available on eBay and Yahoo Auction.

While some preferred embodiments are described with respect to online auctions, those skilled in the art will 45 appreciate that other preferred embodiments are utilized in conjunction with non-auction systems and services, without departing from the scope of the claimed invention. These other preferred embodiments may be either Internet-based, or alternatively may utilize some other type of network, 50 including by way of example only and not by way of limitation, Wi-Fi systems, other wireless LAN (Local Area Network) systems, and mobile wireless communication systems.

In one preferred embodiment, the audio/video stream 55 recording, storage, and delivery system 10 allows a user to quickly and easily record audio/video material, and place the material inside a third party online auction (e.g., eBay, Yahoo auctions, or international auction sites). Initially, a user accesses a web page that includes the user interface 40 of the recording, storage, and delivery system 10. The user interface 40 provides a virtual recording room for the user that is access through a web browser. As described above, no special software is needed in order to utilize the recording, storage, and delivery system 10 of the claimed invention 65 beyond a standard web browser, such as is required to view any typical web page. This is in contrast to traditional video

recording and player systems that typically require some type of additional "plug in" or other additional custom software application to be downloaded and installed locally. The only equipment required by the recording, storage, and delivery system 10 of the claimed invention is a simple web camera and microphone. The virtual recording room makes it easy for the user to sign up (e.g., create an account) and to start recording any number of audio/video streams. Preferably, the user can "retake" an audio/video stream as often as desired. The user interface 40 of the recording, storage, and delivery system 10 then provides the user with the code required to link and to allow access to the user's video from within the eBay or other online auction website with a simple click of a button. The audio/video streams created by

Preferably, the recording software 20 is located on the host back end 60 where it processes and records audio and video material that originates from the user front end 70 and is streamed to the host back end. The storage memory 30 (e.g., a server), which is also preferably located on the host back end 60, then stores the recorded audio and video material. In a preferred embodiment, the recorded audio and video material (e.g., audio/video streams) are stored on audio/video servers at the host back end 60, and thus, do not require that the user have access to local servers or any other type of local storage memory 30.

15 the user are stored in storage memory 30, such as on a server,

located at the host back end 60.

Preferably, the audio/video streams are immediately accessible for review using the system video player in the user interface 50 once the audio/video streams have been recorded. Additionally, in a preferred embodiment of the system 10, the user can also instantly update the audio/video streams using the virtual recording room of the user interface. Such an update includes, by way of example only and not by way of limitation, re-recording of the audio/video streams, editing of the audio/video streams, re-dubbing only the audio portion of the audio/video streams, attaching additional audio and/or video material to the original audio/video streams, and annotating the audio/video streams.

Preferably, the code generator 40 produces code associated with the recorded audio and video material. The code facilitates accessing the recorded audio and video material from any additional location 80 where the code has been pasted. Activating the code enables access to the recorded audio and video material stored on the servers 30, which are located at the host back end 60. Accordingly, with the click of a button, the necessary code is saved to the user's clipboard, where the code is ready to be easily pasted into a third-party website, such as the user's auction listing description. This code gives all the necessary information for a system video player to appear on the third-party website (e.g. an auction listings) and to show the user's recorded audio and video material.

As described above, in a preferred embodiment, the code produced is hypertext markup language code. Preferably, the code provides access to the recorded audio and video material by copying the hypertext markup language code produced at the host back end 60 and allowing the user to paste the hypertext markup language code to the additional location 80. In this manner, activating the pasted code at the additional location 80 provides access to the recorded audio and video material from the additional location 80 while allowing the recorded audio and video material to remain stored at the host back end 60. It will be appreciated however, that other coding languages that accomplish the same functionality may also be used, without departing some the scope of the claimed invention.

In a preferred embodiment, the user interface 50 to the audio/video stream recording, storage, and delivery system 10 provides a user at the user front end 70 with remote access to the virtual recording room. The user interface 50 further enables the user to record audio and video material streamed from the user front end 70 by activating the recording software 20, which is located on the host back end 60. The user interface 50 is configured to facilitate easily copying and pasting the code to an additional location 80, such as an auction website. Advantageously, this is accomplished without requiring recording functionality on the user front end 70. The user interface 50 only requires an Internet browser and standard Internet plug-ins.

A preferred embodiment includes a unique user interface 50 that facilitates the easy recording of any number of videos (either with or without accompanying audio), and thereafter placing these videos into online auction listings and auction stores. Preferably, the simplicity of the user interface 50 is achieved through the web-based, remotely accessible, virtual recording room. In a preferred embodiment, the user interface 50 enables a user to enter a virtual recording room 20 in which the user can easily and intuitively select any number of audio/video streams, then record, playback, and/ or re-record the audio/video streams as often as desired. The user interface 50 of the audio/video recording, storage, and delivery system 10 enables a user to place the code required 25 for use by a third-party website, such as an auction site, on that third-party website using traditional copying and pasting techniques.

In a preferred embodiment, the user interface 50 provides access to the recording software 20, and in this manner, enables the recorded audio and video material stored on the host back end 60 to be reviewed at the user front end 70. This same access to recording software 20 via the user interface 50 also enables recorded audio and video material on the host back end 60 to be re-recorded from the user front end 70. Furthermore, user interface 50 facilitates linking the recorded audio and video material stored at the host back end 60 to a pointer residing at an additional location 80. Accordingly, activating the pointer preferably provides access to the recorded audio and video material stored at the host back end 60.

Another preferred embodiment of an Internet-based recording method performs all audio and video stream recording over an Internet browser connection established between a user front end 70 and a host back end 60. In one such embodiment, the method includes: (1) recording audio 45 and video material over the Internet browser connection, wherein audio and video material originates on the user front end 70 and is recorded on the host back end 60 without requiring recording functionality residing on the user front end 70; (2) storing the recorded audio and video material on 50 the host back end 60; and (3) providing access to the recorded audio and video material.

In a preferred embodiment, the method further includes enabling recorded audio and video material on the host back end **60** to be edited from the user front end **70**. With respect 55 to another aspect, the preferred method includes copying or downloading the recorded audio and video material stored at the host back end **60** to at least one additional location **80**. Preferably, the method includes enabling additional audio material, video material, or audio/visual material to be 60 uploaded and attached to the previously recorded audio and video material stored on the host back end **60**. In such a preferred embodiment, the additional audio material, video material, or audio and visual material originates from the user front end **70**.

A more comprehensive description of a preferred method for audio/video stream recording, storage, and delivery is 8

described below, with respect to FIG. 2. At Step 100, a user signs up or otherwise creates an account on a website 102 that is utilizing the recording, storage, and delivery method of the claimed invention. Various techniques can be used to purchase use of the recording, storage, and delivery method through a web browser, including by way of example only, and not by way of limitation, credit card and PayPal transactions. At Step 110, a unique Username and Password are assigned to this user. This allows a unique virtual recording room to be created in the user interface 50 that is accessed using this Username and Password. Accordingly, at Step 120, the user can log in directly to his or her own personalized virtual recording room 122. The personalized virtual recording room includes an icon for each video that the user has purchased the right to record (i.e., if the user has purchased the right to record and store ten audio/video streams, there would be icons for audio/video streams 1-10 in the user's personalized virtual recording room). In a preferred embodiment, the virtual recording room in the user interface 50 further includes typical video player buttons 132, such as RECORD, PLAY, PAUSE, STOP, and volume

At Step 130, the user simply selects the video number that they desire to record in their recording room in order to begin the video recording process. The user then selects the RECORD button to record the selected video number. After the recording is complete, the user can play back the recorded audio/video stream to ensure satisfaction with the recorded material by pressing PLAY button. In a preferred embodiment, at Step 140, the user links their recorded audio/video material by clicking a code generator button, which generates a unique code for each recorded audio/ video stream, and copies that code to the user's clipboard. This code is created differently, as described in further detail below, depending on whether the website at which the code is to be posted to is a full HTML (hypertext markup language) supported site 142 (such as eBay), or only a limited HTML supported site 144 (such as Yahoo Auction). At Step 150, the user then opens a website to which they wish to place their code, such as an eBay or Yahoo Auction 40 webpage, and at Step 160, pastes the generated code into the respective additional location 80 at either eBay or Yahoo auction. Preferably, at Step 170, when the user completes the eBay or Yahoo submission, the video player utilized by the audio/video recording, storage, and delivery system 10 appears in the webpage, seamless with other items on the page.

A preferred embodiment of the audio/video recording, storage, and delivery system 10 utilizes a Flash recording application. Within the Flash recording application, a user who purchases multiple videos can select which video to record. Specifically, this application sends the user to a frame in the timeframe that includes the audio/video recorder and gives the application definitions of the stream number, which is equivalent to the video number. Preferably, the other variables have already been defined. These include by way of example only, and not by way of limitation, the height and width of the player, the location of the player, and the appInstance (application instance), which is passed through an ASP-generated flashvar (flash variable) in the HTML page.

Below are exemplary sample instructions that are utilized by the code generator 30, which are provided by way of example only, and not by way of limitation. These instructions create the text for easily pasting to an additional location 80, such as an online auction website.

The following preferred embodiment instructions are for full HTML auctions, such as eBay:

```
_root.createTextField("mytext",1,10,710,530,190);
//COPY BUTTON see http://www.auctionvideo.com/record_thirty_new.htm
_root.createTextFormat("myformat");
myformat = new TextFormat( );
myformat.color = 0x0000000;
myformat.font = "Arial";
myformat.size = 10;
myformat.leading = "-1";
mytext.multiline = true;
mytext.wordWrap = true;
//text below
mytext.text = "<OBJECT classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=6,
0,0,0" WIDTH=""+swfWidth+"" HEIGHT=""+swfHeight+"" id="play" ALIGN=""> < PARAM
NAME="FlashVars"
VALUE="appInstance='+appInstance+'&streamNumber='+streamNumber+""> <PARAM
NAME=movie VALUE=""+swfLocation+'play.swf"> <PARAM NAME=quality
VALUE=high> <PARAM NAME=bgcolor VALUE=#FFFFFF> <EMBED
    "+swfLocation+'play.swf"
FLASHVARS="appInstance='+appInstance+'&streamNumber='+streamNumber+'" quality=high
bgcolor=#FFFFF WIDTH="+swfWidth+" HEIGHT="+swfHeight+" NAME="play"
ALIGN=""TYPE="application/x-shockwave-flash"
PLUGINSPAGE="http://www.macromedia.com/go/getflashplayer"></EMBED></OBJECT>";
mytext.setTextFormat(myformat);
```

The following preferred embodiment instructions are for limited HTML auctions, such as Yahoo Auction:

```
root.createTextField("yahootext",4,750,250,400,400);
//COPY BUTTON see http://www.auctionvideo.com/record_thirty_new.htm
//text below
yahootext.text = '<a
href="http://www.auctionvideo.com/player.htm?appInstance="+appInstance+" & streamNumber="
+streamNumber+"">img src="http://www.auctionvideo.com/auctionvideobutton.jpg"
width="400" height="108" border="0"></a>';
yahootext.setTextFormat(myformat);
```

Below are exemplary sample instructions that are utilized by the user interface 30, which are provided by way of example only, and not by way of limitation. These instructions are used to copy the generated code onto additional locations 80, such as auction websites. In a preferred 40 embodiment, the FSCommand action is used to implement javaScript, Visual Basic, and ActionScript, which automatically places the generated HTML code into the user's clipboard.

ActionScript (button) instructions:

```
on(release){
  fscommand (``myCopyCBFunction"', \, mytext.text);\\
```

The following preferred embodiment instructions are the Visual Basic instructions:

```
<SCRIPT LANGUAGE="VBScript">
// Catch FS Commands in IE, and pass them to the corresponding
JavaScript function.
Sub testmovie_FSCommand(ByVal command, ByVal args)
  call testmovie_DoFSCommand(command, args)
end sub
</SCRIPT>
```

The following preferred embodiment instructions are the JavaScript instructions:

```
<SCRIPT LANGUAGE="JavaScript">
function testmovie_DoFSCommand(command, args) {
if(command == "myCopyCBFunction"){
  window.clipboardData.setData('Text', args);
```

Another preferred embodiment of an audio/video stream The following preferred embodiment instructions are the 45 recording, storage, and delivery method is particularly advantageous for users without access to a web camera or for users with a slow Internet connection. In such a preferred method, the user simply uploads one or more previously recorded digital still images to the storage memory 30, (i.e., servers) located at the host back end 60. In one embodiment that is utilized in conjunction with an online auction, these previously recorded digital still images are of the item(s) that the user is selling. After the digital still images have been uploaded, the user enters the virtual recording room in the user interface 50. Next, the user selects the RECORD button, and moves through the images one by one while providing a streaming audio description of each photo that is recorded by the storage memory 30 at the host back end 60. As the audio is streamed to the host server 30, the recording software 20 tracks the correlation between the images and the audio being recorded. After the "slide show" of still pictures and associated audio material has been recorded, the user can review, record, and/or edit their show, just as in the previous preferred embodiment. When the user is satisfied, the user selects a "copy code" button, just as in the previous preferred embodiment. This prepares the HTML code to be pasted into a website at an additional location 80, such as the auction description at an auction website.

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In one preferred embodiment, this audio/video stream recording, storage, and delivery method is configured such that, as soon as a viewer accesses the auction webpage for that particular item, the recording, storage, and delivery method begins playing this "slide show." Preferably, the viewer can replay the "slide show" after it has finished, as many times as desired.

The following instructions are for the audio record/still upload preferred embodiment method:

```
_global.conn_nc = new NetConnection();
_global.server="xxx.xxx.xxx.xxx";
_global.picXML_xml=new XML( );
 _global.XML_URL="http://www.auctionvideo.com/
uploads/"+appInstance+".xml";
_global.picture_array=new Array();
_global.curPic=0;
_global.recording=false;
_global.recordLimitSeconds=60;
_global.mic_mic=Microphone.get();
mic_mic.setRate(11);
conn_nc.onStatus = function(info) {
     var infomsg = info.code;
     trace(infomsg);
    if (infomsg == "NetConnection.Connect.Success") {
         goGetTheStream(this);
         getTheSO(this);
      else if (infomsg == "NetConnection.Connect.Rejected") {
      else if (infomsg == "NetConnection.Connect.Closed") {
      else if (infomsg == "NetConnection.Connect.Failed") {
picXML_xml.ignoreWhite=true;
picXML_xml.onLoad=function(suc){
    if(suc){
           _global.URL="rtmp://"+server+"/ebay2/"+appInstance;
         for(i=0;this.firstChild.childNodes[i]!=null;i++){
              o=new Object();
              o.jpegurl=this.firstChild.childNodes[i].attributes.jpegurl;
              o.picnum=this.firstChild.childNodes[i].attributes.picnum;
              picture array.push(o);
           _global.maxPic=picture_array.length;
         loadJPG():
         conn_nc.connect(URL);
         trace("load failed");
setW = f_mc._width;
setH = f_mc._height;
_global.wOffset=f_mc._x;
 _global.hOffset=f__mc.__y;
back or forward too far
_global.loadJPG = function() {
      root.createEmptyMovieClip("jpgLoader_mc", 50);
    jpgLoader_mc.loadMovie("http://www.auctionvideo.com/uploads/"+appInstance+"/"+picture_array[curPic].jpegurl);
      root.onEnterFrame = function( ) {
         if ((jpgLoader_mc.getBytesLoaded( )>4) &&
          (jpgLoader_mc.getBytesLoaded()
== jpgLoader_mc.getBytesTotal( ))) {
               _root.onEnterFrame = null;
              jpgW = jpgLoader_mc._width;
              jpgH = jpgLoader_mc._height;
              if \ (jpgW>setW \ \| \ jpgH>setH) \ \big\{
                   overW = jpgW-setW;
                   overH = jpgH-setH;
                   if (overW>overH) {
                       perc = jpgW/setW;
                       jpgLoader_mc._width = jpgW/perc;
                       jpgLoader_mc._height = jpgH/perc;
                       newH = jpgLoader_mc._height;
                       jpgLoader_mc_y = ((setH/2)-
(Math.round(newH/2)))+hOffset;
                       jpgLoader_mc._x = wOffset;
                   } else {
                       perc = ipgH/setH;
                       jpgLoader_mc._width = jpgW/perc;
```

```
jpgLoader_mc._height = jpgH/perc;
                           newW = jpgLoader_mc._width;
                          jpgLoader_mc._y = hOffset;
                          jpgLoader\_mc.\_x = ((setW/2)-
   (Math.round(newW/2)))+wOffset;
                      newH = jpgLoader_mc._height;
                      jpgLoader_mc._y =
10
                      ((setH/2)-(Math.round(newH/2)))+hOffset;
                      newW = jpgLoader_mc._width;
                      jpgLoader_mc._x =
                      ((setW/2)-(Math.round(newW/2)))+wOffset;
15
        checkButtons();
   };
    _global.goGetTheStream=function(nc){
         _global.slideShow_ns=new NetStream(nc);
        slideShow_ns.attachAudio(mic_mic);
20
     _global.getTheSO=function(nc){
         _global.slideShow_so=SharedObject.-
        getRemote("slideShow",nc.uri,true);
        slideShow_so.onSync=function(){
             trace("all connected up");
25
        slideShow_so.connect(nc);
     _global.checkButtons=function(){
        if(curPic+1==maxPic){
            a_pb.setEnabled(false);
        }else{
30
             a_pb.setEnabled(true);
        if(curPic==0){
            b\_pb.setEnabled(false);
        }else{
             \dot{b}\_pb.setEnabled(true);
    _global.changeNum=function(a){
        a=(Math.round(a*100)/100);
        return a;
   function nextClick(){
40
        if(recording == true) \{
             tempObj=new Object();
             tempObj.clickTime=changeNum(slideShow_ns.time);
             tempObj.direction="next";
             clickHolder_array.push(tempObj);
             delete tempObj;
45
        curPic++;
        loadJpg();
   function backClick(){
        if(recording==true){
50
             tempObj=new Object();
             tempObj.clickTime=changeNum(slideShow_ns.time);
             tempObj.direction="back";
             clickHolder_array.push(tempObj);
             delete tempObj;
        curPic--:
55
        loadJpg();
   function saveClick(comp){
        if(comp.getLabel( )=="Record"){
             publishTheAudio( );
60
             comp.setLabel("Stop");
             saveTheData();
             comp.setLabel("Record");
```

_global.publishTheAudio=function(){

recording=true;

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-continued

```
_global.clickHolder_array=new Array();
    slideShow_ns.publish(appInstance,"re
    clearInterval(recordTimerInterval);
     _global.recordTimerInterval=setInterval(stopRecording,
    recordLimitSeconds*1000);
 _global.stopRecording=function(){
    saveTheData();
    s_pb.setLabel("Record");
 _global.saveTheData=function(){
    clearInterval(recordTimerInterval);
    slideShow_so.data.slideShow=clickHolder_array;
    recording=false;
    slideShow_ns.publish(false);
    delete clickHolder_array;
    loadJpg();
a_pb.setClickHandler("nextClick");
b_pb.setClickHandler("backClick");
s_pb.setClickHandler("saveClick");
picXML_xml.load(XML_URL);
stop();
```

As mentioned above, other preferred embodiments may utilize other types of communication networks, including by way of example only and not by way of limitation, Wi-Fi systems, other wireless LAN systems, and mobile wireless communication systems. In the preferred embodiment shown in FIG. 3, a Wi-Fi based recording method performs at least part of the audio and video recording functions over a Wi-Fi connection established between a user front end 70 and a host back end 60. In such a preferred embodiment, the method includes recording audio and video material over a Wi-Fi connection using a personal digital assistant. In some preferred embodiments, the method includes recording audio and video material over a combined Wi-Fi and Inter- 35 net network connection. Finally, in another preferred embodiment shown in FIG. 4, a wireless mobile communications-based recording method performs all audio and video recording functions over a wireless mobile connection established between a user front end 70 and a host back end 40 60. The remainder of the Wi-Fi based recording method and the mobile communications-based recording method are generally performed in a corresponding manner to the Internet-based recording method described above.

Furthermore, the various methodologies described above are provided by way of illustration only and should not be construed to limit the invention. Those skilled in the art will readily recognize that various modifications and changes may be made to the claimed invention of the present application without departing from the true spirit and scope of the claimed invention. Accordingly, it is not intended that the claimed invention be limited, except as by the appended claims.

What is claimed is:

1. An Internet-based recording method for recording 55 audio and video material over an Internet connection established between a user front end and a host back end, the method comprising:

transmitting, to the user front end from the host back end via a network, a platform-independent web application, 60 end and a host back end, the method comprising: wherein the web application initiates the streaming of audio and video material from a receiving device on the user front end to the host back end as it is being captured with the receiving device;

recording the audio and video material on the host back 65 end via the web application and storing the recorded audio and video material as a complete video file;

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generating code associated with the recorded and stored audio and video material to facilitate accessing the recorded and stored audio and video material from an additional location, wherein the content of the generated code depends on a type of code supported by the additional location; and

enabling the generated code to be copied and pasted to the additional location, wherein activating the generated code provides access to the recorded audio and video material from the additional location.

2. The method of claim 1, further comprising:

enabling recorded audio and video material on the host back end to be reviewed at the user front end.

3. The method of claim 1, wherein enabling the generated 15 code to be copied and pasted to an additional location comprises:

in response to input from the user front end, linking the recorded audio and video material stored at the host back end to a pointer that is placed at the additional

wherein activating the pointer provides access to the recorded audio and video material stored at the host back end.

- 4. The method of claim 3, wherein the pointer is a 25 hyperlink.
 - 5. The method of claim 1, wherein the generated code is hypertext markup language that is associated with and linked to the recorded and stored audio and video material, thereby facilitating access to the recorded and stored audio and video material from the additional location.
 - 6. The method of claim 5, wherein the additional location is an auction site.
 - 7. The method of claim 1, further comprising:

enabling recorded audio and video material on the host back end to be updated on the front end.

- 8. The method of claim 7, wherein the update on the front end includes at least one of: re-recording audio and/or video material, editing audio and/or video material, re-dubbing audio material, attaching additional audio and/or video material, and annotating the audio and/or video material.
- 9. The method of claim 1, wherein the type of supported code associated with the additional location is at least one of: full HTML and limited HTML.
- 10. The method of claim 1, wherein generating code associated with the recorded and stored audio and video material comprises:

receiving data indicating that the additional location is a full HTML website or a limited HTML website; and generating code for the full HTML website to facilitate accessing the recorded and stored audio and video material from the full HTML website when the received data indicates that the additional location is a full HTML website or generating code for the limited HTML website to facilitate accessing the recorded and stored audio and video material from the limited HTML website when the received data indicates that the additional location is a limited HTML website.

11. An Internet-based recording method for recording over an Internet connection established between a user front

transmitting, to the user front end from the host back end via a network, a platform-independent web application, wherein the web application allows the uploading of photographic still material to the host back end from the user front end;

recording, using the platform-independent web application, audio material that is linked with the photographic

still material, wherein the audio material originates from the user front end, streams over the Internet as it is being captured by a recording device on the user front end, and is recorded on the host back;

storing the recorded audio material and the linked pho- 5 tographic still material on the host back end;

- generating code associated with the recorded audio material and the linked photographic still material to facilitate accessing the recorded audio material and the linked photographic still material from an additional location, wherein the content of the generated code depends on a type of code supported by the additional location; and
- enabling the generated code to be copied and pasted to the additional location, wherein activating the generated 15 code provides access to the recorded audio material and the linked photographic still material from the additional location.
- 12. The method of claim 11, further comprising: enabling recorded audio and video material on the host 20 back end to be reviewed at the user front end.
- 13. The method of claim 11, further comprising: enabling recorded audio and video material on the host back end to be re-recorded from the user front end.
- **14**. The method of claim **11**, wherein enabling the gen- 25 erated code to be copied and pasted to an additional location comprises:
 - in response to input from the user front end, linking the recorded audio and video material stored at the host back end to a pointer that is placed at the additional 30 location.
 - wherein activating the pointer provides access to the recorded audio and video material stored at the host back end
- 15. The method of claim 11, wherein the pointer is a 35 hyperlink.
- 16. The method of claim 11, wherein the generated code is hypertext markup language that is associated with and linked to the recorded and stored audio and video material, thereby facilitating access to the recorded and stored audio 40 and video material from the additional location.
- 17. The method of claim 11, wherein the additional location is an auction site.
 - **18**. The method of claim **11**, further comprising: enabling recorded audio and video material on the host 45 back end to be edited from the user front end.
 - 19. The method of claim 11, further comprising: in response to input from the user front end, copying the recorded audio and video material stored at the host back end to at least one additional location.
 - 20. The method of claim 11, further comprising: enabling additional audio material, video material, or audio and visual material to be attached to the recorded audio and video material stored on the host back end, wherein the additional audio material, video material, 55 or audio and visual material originates from the user front end.
 - 21. An Internet-based recording system comprising:
 - a backend server connected to a client device via a network, the backend server comprising data storage 60 and a non-transitory platform-independent recording application that is transmitted to the client device via the network, wherein the platform-independent recording application:
 - initiates the streaming of audio and video material from 65 a receiving device on the client device to the backend

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server over the network, the audio and video material streamed over the network as it is being captured with the receiving device,

records the audio and video material on the backend server:

stores the recorded audio and video material as a complete video file in the data storage:

generates code associated with the recorded audio and video material, wherein:

- the code facilitates accessing the recorded audio and video material from an additional location, wherein the content of the generated code depends on a type of code supported by the additional location, and
- the code is copyable and pasteable to the additional location, thereby providing access to the recorded audio and video material from the additional location while the recorded audio and video material remains stored at the backend server.
- 22. The system of claim 21, wherein the platform-independent recording application further enables the recorded audio and video material on the backend server to be reviewed at the client device.
- 23. The system of claim 21, wherein the platform-independent recording application further enables the recorded audio and video material on the backend server to be re-recorded from the client device.
- **24**. The system of claim **21**, wherein generating code associated with the recorded audio and video material further comprises:
 - in response to input from the client device, linking the recorded audio and video material stored in the data storage at the backend server to a pointer that is placed at the additional location,
 - wherein activating the pointer provides access to the recorded audio and video material stored in the data storage at the backend server.
- 25. The system of claim 21, wherein the pointer is a hyperlink.
- 26. The system of claim 21, wherein the generated code is hypertext markup language that is associated with and linked to the recorded and stored audio and video material, thereby facilitating access to the recorded and stored audio and video material from the additional location.
- 27. The system of claim 21, wherein the additional location is an auction site.
- 28. The system of claim 21, wherein facilitating access to the recorded audio and video material comprises:
 - enabling recorded audio and video material on the backend server to be edited from the client device.
- 29. The system of claim 21, wherein facilitating access to the recorded audio and video material comprises:
 - in response to input from the client device, copying the recorded audio and video material stored in the data storage at the backend server to at least one additional location
- **30**. The system of claim **21**, wherein facilitating access to the recorded audio and video material comprises:
- enabling additional audio material, video material, or audio and visual material to be attached to the recorded audio and video material stored in the data storage on the backend server, wherein the additional audio material, video material, or audio and visual material originates from the client device.

* * * * *